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APRIL 24 J, 2002

Date of Signature

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Date of Signature

Case No. <u>10743/3</u>

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Keith Wood; Ericka Hawkins; Mike Scurria; Dieter Klaubert

Serial No: 10/053,482

November 2<sup>nd</sup>, 2001

For: COMPOSITIONS AND METHODS TO CO-LOCALIZE

LUMINOPHORES WITH LUMINESCENT PROTEINS

Examiner: Not assigned

Group Art Unit: 1743

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Filed:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

It is believed that this Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed. In accordance with Rule 37 C.F.R. § 1.98(d) copies of documents cited are enclosed:

	DOCUMENT	DATE	NAME
4.1	NUMBER	DATE	NAME
A1	6,133,459	10/17/00	Schaap et al.
A2	5,587,286	12/24/96	Pahuski et al.
A3	5,650,289	6/22/97	Wood
A4	5,641,641	6/24/97	Wood
A5	5,650,299	6/22/97	Lawman et al.
A6	5,700,645	12/23/97	Pahuski et al.
A7	5,814,471	9/29/98	Wood
A8	5,831,102	11/3/98	Bronstein et al.
A9	5,965,453	10/12/99	Skiffington et al.
A10	5,908,751	6/1/97	Higo et al.
A11	5,891,702	4/6/99	Sakakibara et al.
A12	5,891,659	4/6/99	Murakami et al.
A13	5,840,572	11/24/98	Copeland et al.
A14	5,811,251	9/22/98	Hirose et al.
A15	5,770,391	6/23/98	Foote et al.
A16	5,648,232	7/15/97	Squirrell
A17	5,518,883	5/21/96	Soini
A18	5,246,834	9/21/93	Tsuji et al.
A19	4,806,415	2/21/89	Fossati
A20	4,665,022	5/12/87	Schaeffer et al.
A21	4,604,364	8/5/86	Kosak

	DOCUMENT	TRAUCHA P	
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A22	4,501,813	2/26/85	Lovgren et al.
A23	4,349,510	9/14/82	Kolehmainen et al.
A24	4,080,265	3/21/78	Antonik
A25	5,374,535	12/20/94	Zomer et al.
A26	5,374,534	12/20/94	Zomer et al.
A27	3,958,938	5/25/76	Doonan et al.
A28	5,541,309	6/30/96	Prasher
A29	6,007,996	12/28/99	McNamara et al.
A30	5,741,668	4/21/98	Ward et al.
A31	5,798,263	8/25/98	Wood et al.
A32	5,035,999	6/30/91	Geiger et al.
A33	5,098,828	3/24/92	Geiger et al.
A34	6,004,767	12/21/99	Crouch et al.
A35	5,023,181	6/11/91	Inouye

	DOCUMENT NUMBER	DATE	COUNTRY
A36	WO 99/66324	23 Dec 99	PCT

	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
A37	Theodora W. Greene and Peter G. M. Wuts, "Monoprotection of Dicarbonyl Compounds", in Protective Groups in Organic Synthesis - 2 <sup>nd</sup> edition (John Wiley 1991).
A38	Shoji Inoue et al., "Complete Structure of <u>Renilla</u> Luciferin and Luciferyl Sulfate", Tetrahedron Letters No. 31, pp 2685 – 2688 (1977)
A39	R. Y. Tsien, "A non-disruptive technique for loading calcium buffers and indicators into cells", Nature, vol. 290, pp 527-528 (9 April 1981)
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A47	Osamu Shimomura, "Membrane permeability of coelenterazine analogues measured with fish eggs", Biochem. J. 326: 297-298 (1997)
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	APR 2 9 ZOUZ
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A49	"Coelenterazine Sampler Kit", Molecular Probes – Product Literature, pp 1-3, (10/16/2000)
A50	Dubuisson, M. L. et al., "Antioxidative properties of natural coelenterazine and synthetic methyl coelenterazine in rat hepatocytes subjected to tert-butyl hydroperoxide-induced oxidative stress", Biochem-Pharmacol. 60(4): pp 471-8 (2000)
A51	Angers, S. et al., "Detection of beta 2-adrenergic receptor dimerization in living cells using bioluminescence resonance energy transfer (BRET)", Prod. Natl. Acad. Sci. USA 97(7): pp 3684-9 (2000)
A52	Liu, J. and Escher, A., "Improved assay sensitivity of an engineered secreted Renilla luciferase", Gene 237(1): pp 153-9 (1999)
A53	Srikantha, T. et al., "The sea pansy Renilla reniformis luciferase serves as a sensitive bioluminescent reporter for differential gene expression in Candida albicans", J. Bacteriol. 178(1): pp 121-9 (1996)
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A56	Stables, J. et al., "Development of a dual glow-signal firefly and Renilla luciferase assay reagent for the analysis of G-protein coupled receptor signalling", J. Recept. Signal Transduct. Res. 19(1-4): pp 395-410

If, for any reason, the Examiner feels that an interview would be helpful to resolve any issues, he is respectfully requested to contact the undersigned attorney at (312) 321-4229.

Grentzmann, G. et al., "A dual-luciferase reporter system for studying recording signals", RNA 4(4): pp

Craig, Frank F. et. al. "Membrane-permeable luciferin esters for assay of firefly luciferase in live intact

Liu, J. et al, "Visualizing and quantifying protein secretion using a Renilla luciferase-GFP fusion

Respectfully submitted,

Date: April 21 1,2002

(1999) - Abstract Only

protein", Luminescence 15(1): pp 45-9 (2000)

cells" Biochem. J. 276 pp 637-641 (1991)

479-86 (1998)

A58

John Murray, Ph.D. Registration No. 44,251

Attorney for Applicant

BRINKS HOFER GILSON & LIONE P.O. Box 10395 Chicago, IL 60610 (312) 321-4200

FORM PTO-1449	SERIAL NO.	CASE NO.
The second state of the se	10/053,482	10743/3
LIST OF PATENTS AND PUBLICATIONS FOR	FILING DATE	GROUP ART UNIT
APPLICANT'S INFORMATION DISCLOSURE	November 2 <sup>nd</sup> , 2001	1743
STATEMENT		
(use several sheets if necessary)	APPLICANT(S): Wood, Keith et	al.

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	_	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	6,133,459	10/17/00	Schaap et al.		
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EXAMINER	DATE CONSIDERED

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## FOREIGN PATENT DOCUMENTS

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